

Opening Remarks

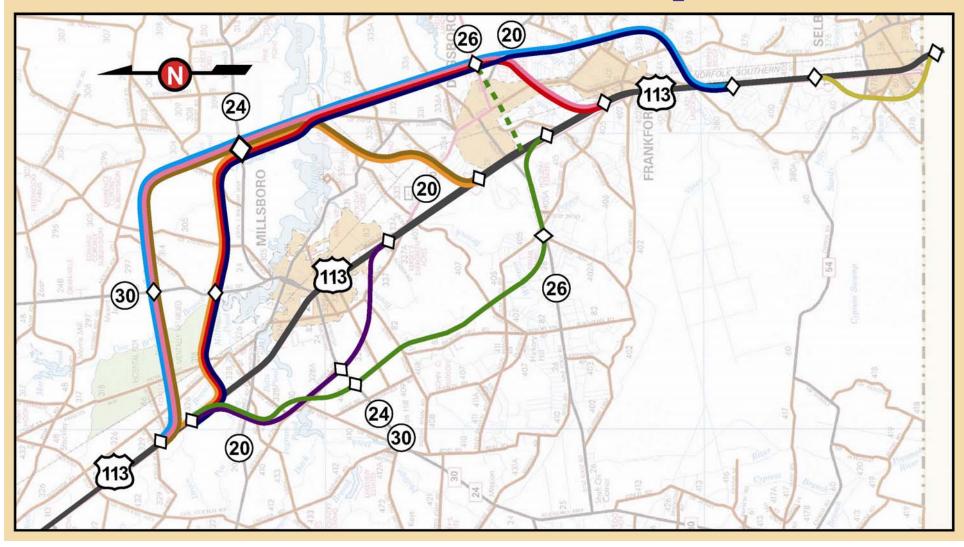
- Project notebook materials
- Purpose of the meeting
 - Learn about real estate process
 - Provide traffic analysis update
 - Expand on status of Livable Delaware
 - Review alternative shifts and matrix updates

"Real Estate 101"

Purchasing property

- State vs private
- Advanced acquisition vs normal acquisition process
- Fair market value and just compensation
- Eminent domain

Alternatives Retained for Detailed Study



- What does traffic analysis help us determine?
- Two types of analysis
 - Planning level what we have done
 - Traffic operations what we are doing

- What does traffic analysis help us determine?
 - Operations of proposed project
 - Size of proposed project
 - Direct impacts of project
 - Indirect impacts of project

- Operations of proposed project
 - How much traffic will it carry?
 - Does it meet project goals?
 - Will it operate acceptably?

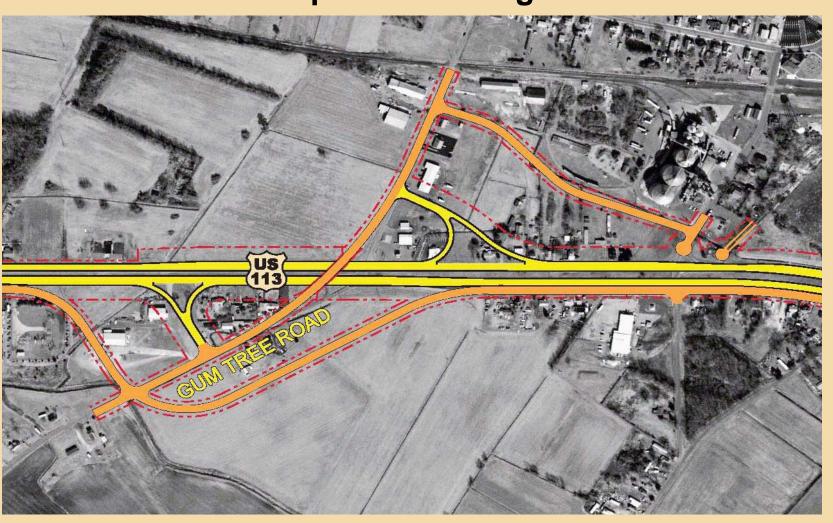
- Size of proposed project
 - How many lanes are required?
 - Do we need turning lanes?
 - Where do we need signals?

- Direct impacts of proposed project
 - Traffic volumes
 - US 113
 - Downtown Millsboro
 - Travel time
 - Emergency services
 - Schools
 - Transit, bicycles, and pedestrians
 - Existing access
 - Intersecting roads
 - Commercial
 - Residential

Direct impacts: volumes at adjacent intersections

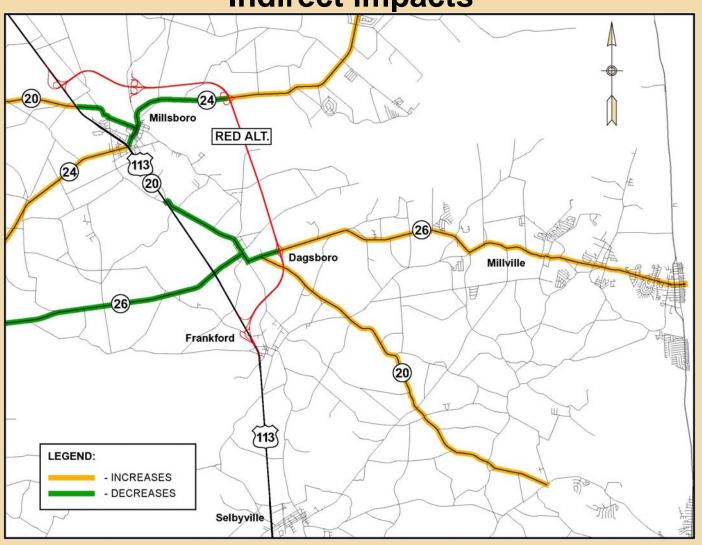


Direct impacts: existing access



- Indirect impacts of proposed project
 - Surrounding roadways
 - Where will traffic change (increase or decrease) more than 10 percent?
 - Evaluate need for additional improvements

Indirect impacts

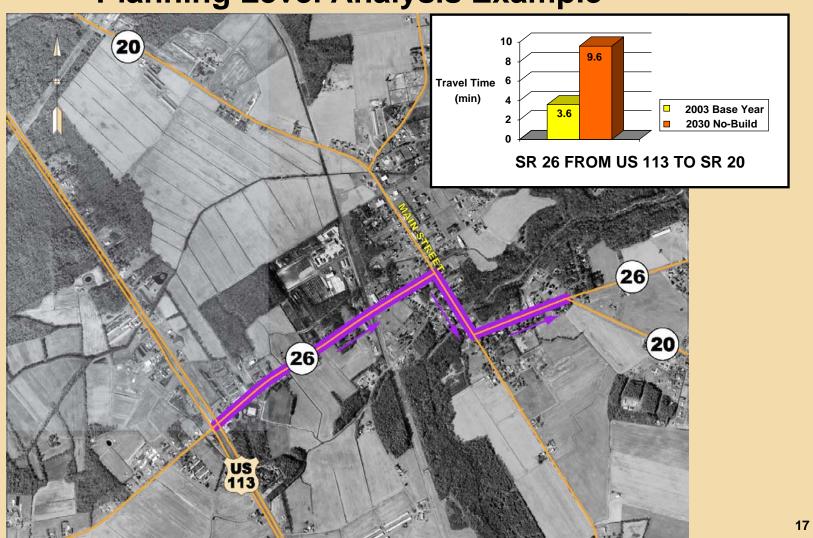


- Two kinds of analysis:
 - 1. Planning level analysis (big picture)
 - 2. Traffic operations analysis (more detail)

- Planning Level Analysis
 - Tells us how many through lanes are needed
 - Based on daily traffic volumes
 - Accounts for number of traffic signals
 - Provides traffic data used for economic impact analysis

- Planning Level Analysis
 - Used to determine if any alternatives obviously won't meet purpose and need of project

Planning Level Analysis Example



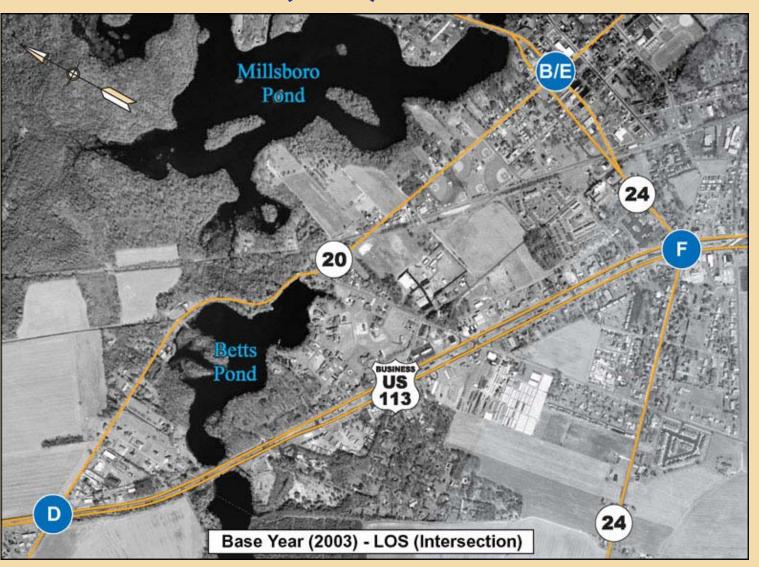
Traffic Operations Analysis

- Tells how many through and turn lanes, intersection delay, and how far cars will back up
 - Focused on 30th highest hour in the year
 - Factored to account for peak 15-minute period
 - Accounts for turn lane length and width
 - Accounts for traffic signal timing

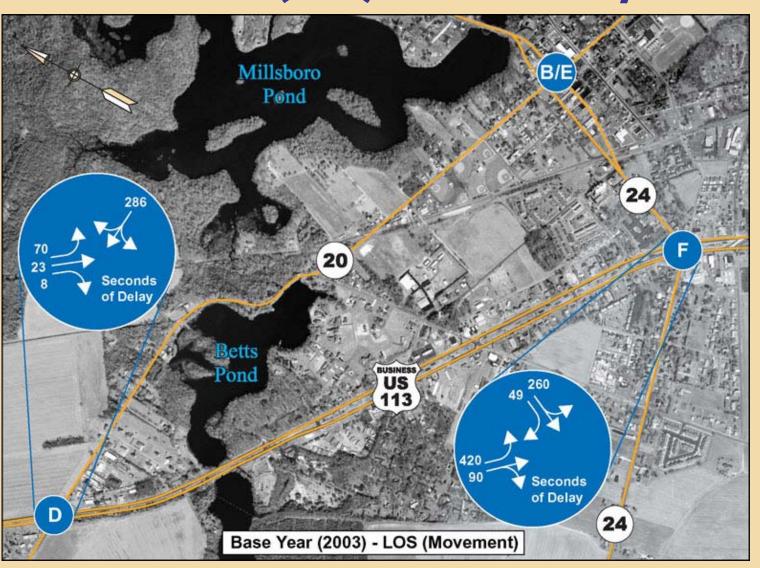
Traffic Operations Analysis

- The general measure of how well an intersection operates – Level of Service (LOS)
- LOS is assigned a letter grade based on the AVERAGE delay
- LOS can be provided by intersection or by movement

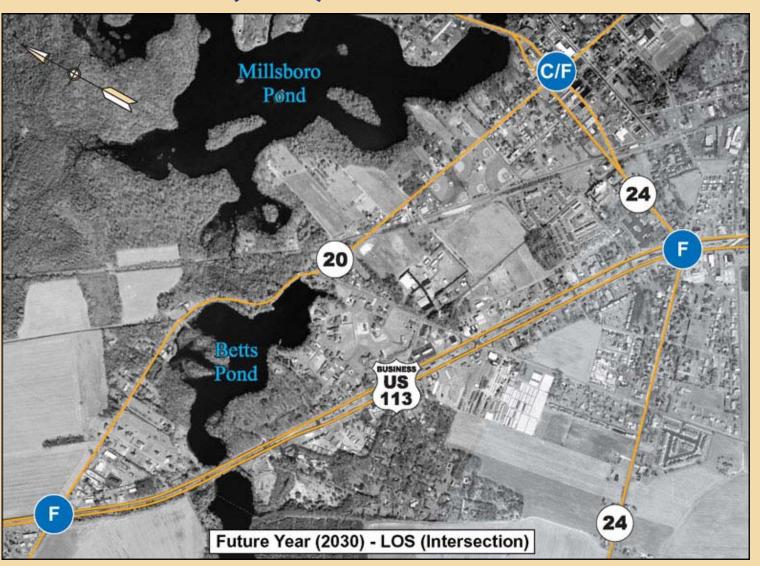
Base Year (2003) Intersection LOS



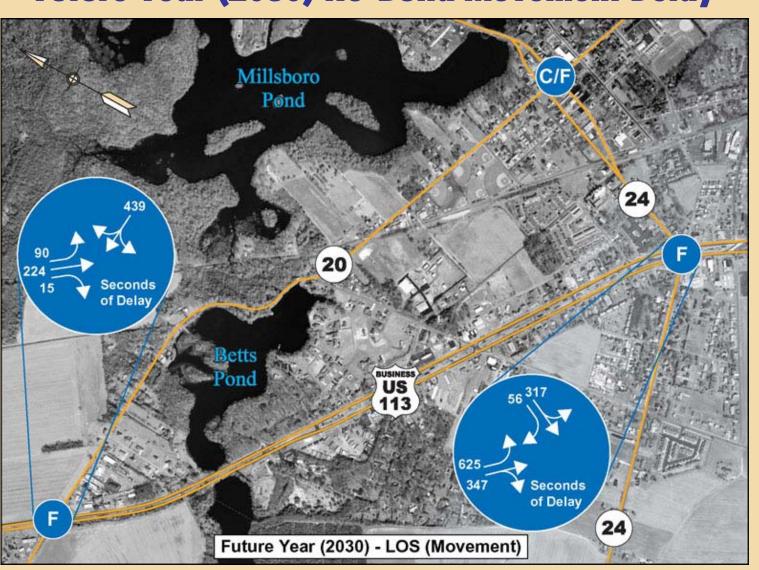
Base Year (2003) Movement Delay



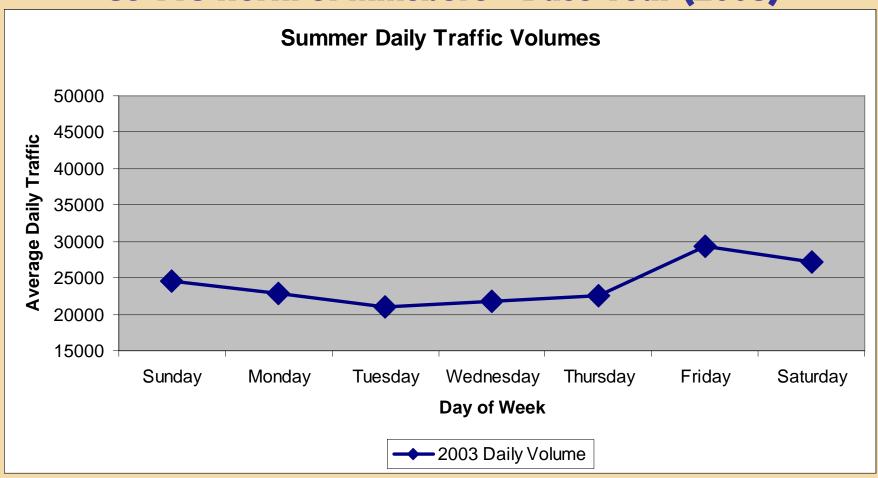
Future Year (2030) No-Build Intersection LOS



Future Year (2030) No-Build Movement Delay

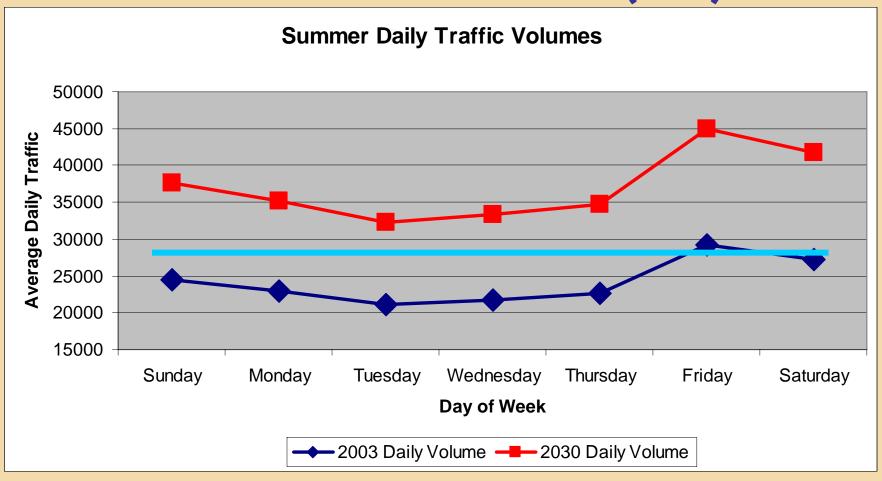


US 113 North of Millsboro - Base Year (2003)



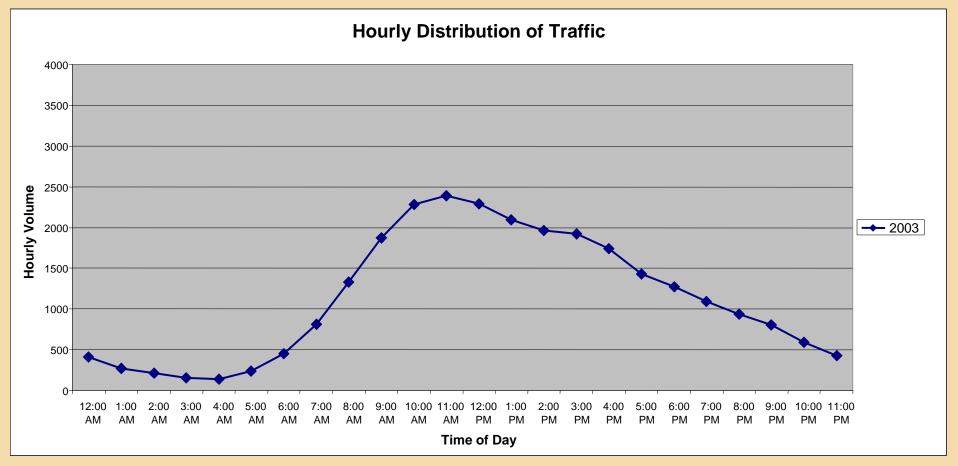
Daily Distribution of Traffic During Summer

US 113 North of Millsboro - Future Year (2030) No-Build



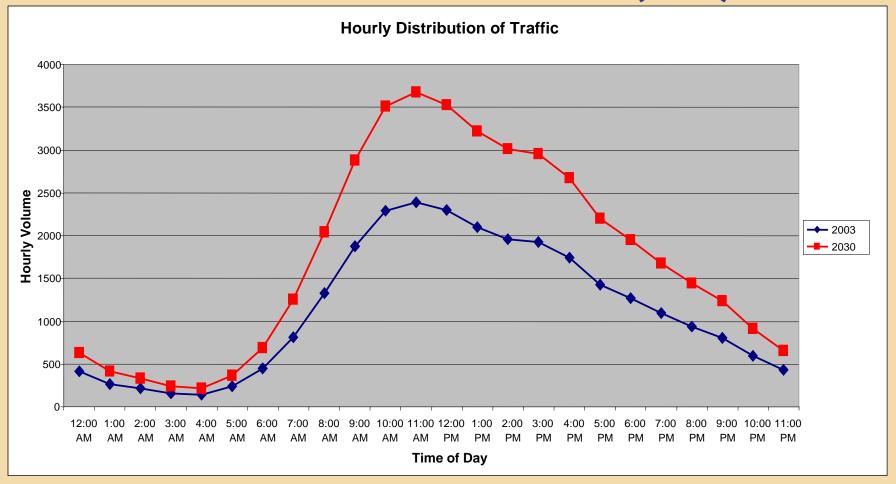
Daily Distribution of Traffic During Summer

US 113 North of Millsboro - Base Year (2003)



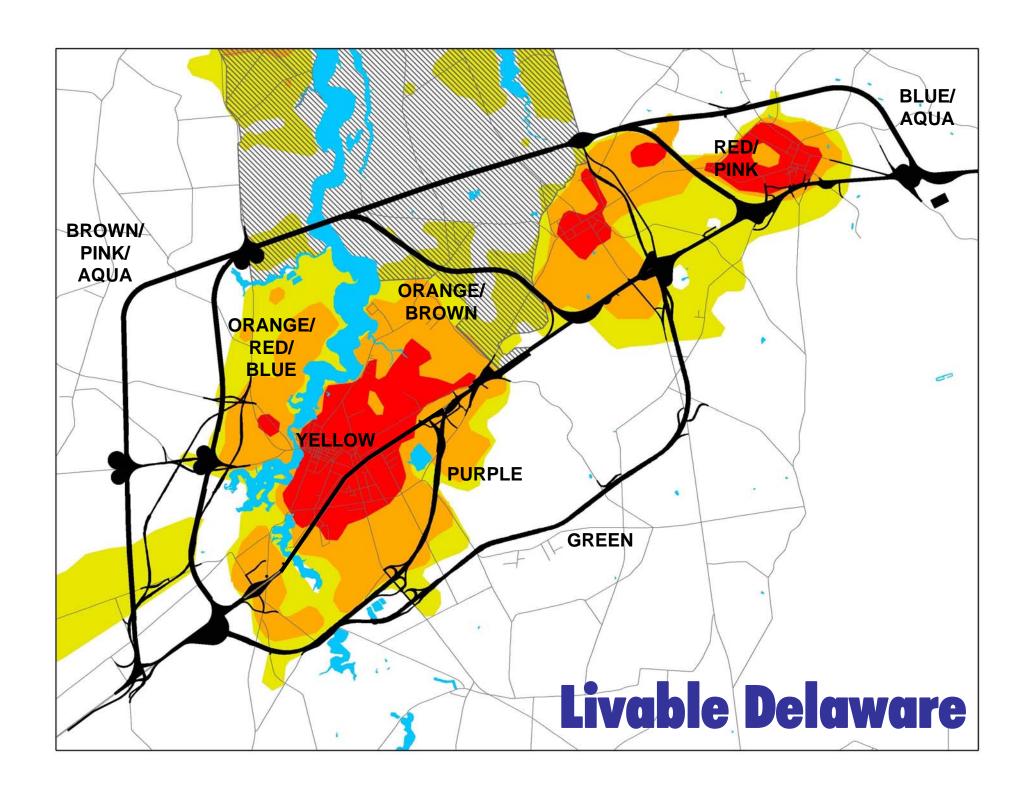
Hourly Distribution of Traffic on a Summer Saturday

US 113 North of Millsboro - Future Year (2030) No-Build



Hourly Distribution of Traffic on a Summer Saturday

- Coordination meeting held March 8, 2006
 - Office of State Planning Coordination
 - Sussex County
 - Towns of Millsboro, Dagsboro, Frankford, and Selbyville



- Consensus of the group
 - On-alignment
 - Yellow: VERY POOR (divides the towns, does not serve anticipated growth, adversely impacts emergency services and evacuation)

Consensus of the group

- West bypasses
 - Purple: VERY POOR (cuts off Millsboro's anticipated growth to the west)
 - Green: POOR (similar to purple, but not as severe; includes interchange in level 4 area)

- Consensus of the group (continued)
 - East bypasses, north of the river
 - Orange, Red, and Blue (southern option):
 GOOD (skirts anticipated growth boundary; SR 30 interchange serves anticipated growth)
 - Brown, Pink, and Aqua (northern option):
 POOR (too far north; SR 30 interchange may encourage growth outside preferred area)

- Consensus of the group (continued)
 - East bypasses, south of the river
 - Orange and Brown (south of Millsboro):
 VERY POOR (separates Millsboro and Dagsboro; doesn't get traffic to SR 26 and SR 20)
 - Red and Pink (south of Dagsboro): VERY POOR (separates Dagsboro and Frankford)
 - Blue and Aqua (south of Frankford):
 GOOD (most direct route; minimizes impact to anticipated growth areas)

- Consensus of the group (continued)
 - East bypasses (north and south combined)

Orange: POOR

- Red: POOR

- Blue: GOOD

- Brown: VERY POOR

- Pink: VERY POOR

- Aqua: FAIR

 Connection from SR 26 interchange to SR 20 suggested

- Consensus of the group (continued)
 - Selbyville alternatives
 - Potential commercial development northwest of US 113/SR 54 intersection will affect alternative selection
 - Discussions to be held with developer

Matrix

- Wetlands
- Cultural resources
- Section 4(f)
- Section 6(f)
- Farmland
- Forestland

- Property impacts
- Traffic
- Economic impacts
- Cost
- Livable Delaware

Wetlands

- Field work completed last week
- U.S. Army Corps of Engineers confirmed that GIS information is valid for study

- More than 450 properties included in preliminary evaluation
- Field view conducted March 9, 2006
 - Visited 21 properties and three districts with agencies to determine potential eligibility
 - Based on field view, the project team currently considers 25 properties and five districts as potentially eligible
- Further historic property research needed

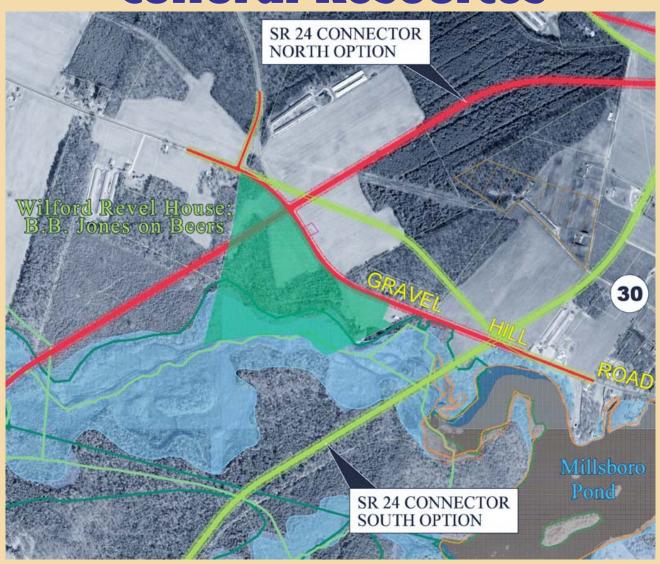
- Potential impacts on historical properties associated with several alternatives.
- Detailed archeological study to be completed for preferred alternative

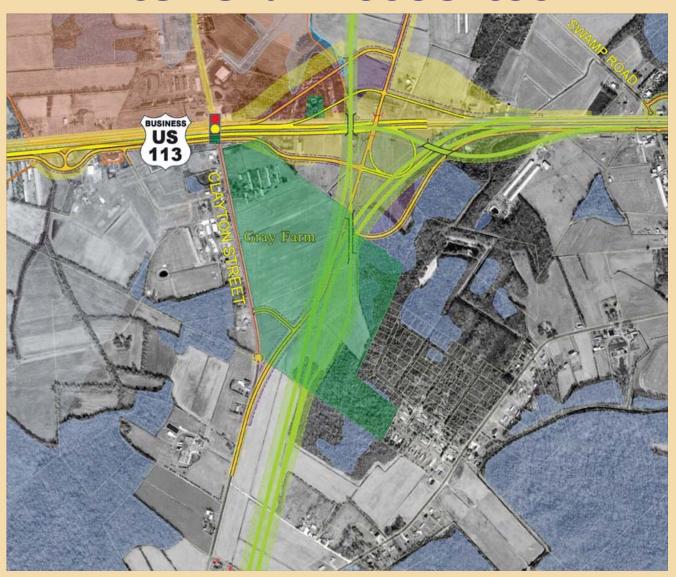
- Potential direct impacts to the following properties:
 - Dukes Farm Green and Purple
 - Parson House Yellow and Purple
 - Miller House Yellow and Purple

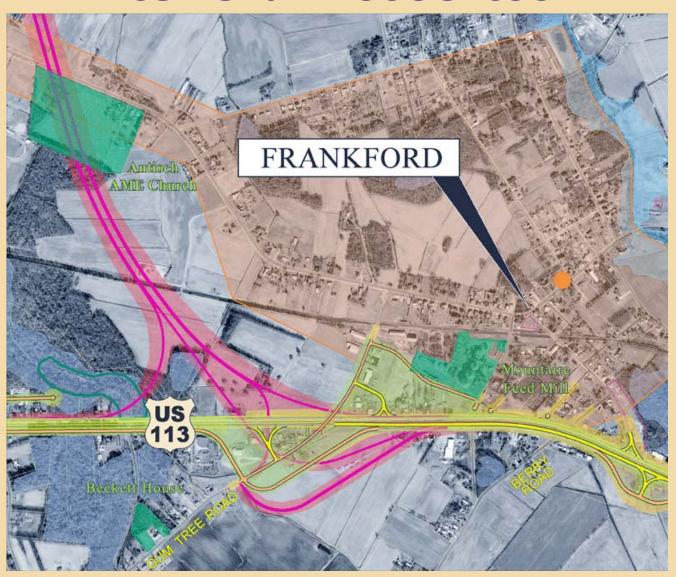




- Potential indirect impacts to the following properties:
 - Wilford Revel House Green and Purple (SR 24 connector)
 - Gray Farm Yellow, Green and Purple
 - Antioch AME Church Red and Pink
 - Mountaire Feed Mill Yellow
 - Long-Mumford House All alts.
 - Warren-Mumford Property All alts.







Alternative Shifts

- On-Alignment Alternatives
- East Bypass Alternatives

Next Steps

- Additional cultural resource work
- Economic impact analysis
- Additional, updated traffic analysis
- Continuing alignment adjustments to minimize / balance impacts
- Cost estimates
- Livable Delaware recommendations in Selbyville

Upcoming Working Group Activities

January Through Winter 2006: Assist in refining alternatives

Early 2007:

Recommend preferred alternative

Next Working Group Meeting

May, date to be determined

5:30 PM Millsboro Fire Hall